

## **IN THE SPECIFICATION**

**Page 1, after the title at line 3, please insert the following heading and paragraph:**

**--PRIORITY CLAIM**

This is a U.S. national stage of application No. PCT/EP03/02125, filed on February 28, 2003.  
Priority is claimed on that application and on the following application:  
Country: Germany, Application No.: 102 10 071.3, Filed: March 8, 2001.--

**Page 1, prior to line 4, please insert the following heading:**

**--BACKGROUND OF THE INVENTION--**

**Page 2, prior to line 18, please insert the following heading:**

**--SUMMARY OF THE INVENTION--**

**Page 2, please delete the paragraph beginning at line 23.**

**Page 4, prior to line 13, please insert the following heading:**

**--DETAILED DESCRIPTION OF THE INVENTION--**

**Page 6, prior to line 9, please insert the following heading:**

**--BRIEF DESCRIPTION OF THE DRAWINGS--**

**Page 6, prior to line 13, please insert the following paragraph:**

Figure 5 shows a torque motor having angular segments without a stator segment.

**Page 7, beginning at line 3, please amend the paragraph as follows:**

The individual stator segments 3 are connected to one another by electrical connecting elements ~~(not shown)~~ 22 and by detachable channel connectors 6, whose function will be described further below.

**Page 7, beginning at line 18, please amend the paragraph as follows:**

Iron cores 10 and electrical windings 11 are located inside the stator segment 3. In the

illustrated embodiment, three coils are formed in each stator segment by the electrical windings, so that the torque motor is driven by three current phases. The electrical windings 11 can be cast or encapsulated inside the stator segment 3 in the conventional way with synthetic resin compound, casting resin, or the like. The housing 23 of the stator segments 3 can be manufactured, for example, from aluminum.

**Page 8, beginning at line 12, please amend the paragraph as follows:**

Figure 3 shows a sectional side view of the torque motor 1. Several stator segments 3 are installed in the external stator 2. In addition, the torque motor has an annular rotor 15 with a rotor frame 24, which can be conventionally designed as a permanently excited internal armature. In the illustrated example, the stator and rotor are coupled by a bearing 16, which is adapted to the specific purpose for which the motor is used. In addition, a measuring system 17 can be installed for providing position values. The lower and upper stator rings 4, 5 can comprise several annular segments if this facilitates the manufacture of large embodiments.

**Page 8, beginning at line 19, please amend the paragraph as follows:**

Figure 4 shows a top view of the assembled torque motor. Several detachable channel connectors 6 connect the cooling systems of the respective adjacent stator segments 3. A service opening 18 is provided in a motor cover for maintenance work that may become necessary. Power is supplied to the motor and measurement data from the measuring system is picked up through an electrical connector element 19. Data from temperature sensors (~~not shown~~) 25, which are installed in each individual stator segment to monitor the operating temperature of the electrical winding, can also be read out at this location. The coolant passed through the heat sink 12 of the stator segments 3 is conducted through intake and discharge connectors 20.

**Page 9, prior to line 4, please insert the following paragraph:**

Figure 5 shows the torque motor 1 with angular segments 21 of the stator frame that are, by design, not occupied by any stator segments 3.

**Page 10, please delete the entire section entitled "List of Reference Numbers."**